

From: [Tricia Pfeiffer](#)
To: [Alexandra Hall](#)
Cc: [Kristen Keteles](#); [Adam Eisele](#); [Kyle Olson](#); [Johanna Miller](#); [Christopher Razzazian](#)
Subject: ND air data analysis
Date: 06/12/2012 08:19 PM

Kristen, Kyle, Adam: I visited Jacki last week; she provided some additional air data; MSDS sheets for ~all process that occur during drilling and HF.

All: I would like to connect you all up. Kristen is a toxicologist that has completed some analysis on Jacki's data. Chris is also in air and mentioned interest in reviewing the MSDS sheet along with the air data. Alex is a chemist and looking into combustion by-products with respect to natural gas combustion and MSDS sheets for ~all products used at nearby Oasis production well sites. We need to get a brief together on the air data and conclusions. Is there airborne contaminants detected in Jacki's data that can be linked up to MSDS sheets and natural gas flaring? If not conclusive, do we need more data?

On a side note, we really need to look on NDIC website to see what activities were underway at the well pads during air sampling events. I have Jacki's notes, but it would be better to have Sundry Notices to document activity. Alex, if I show you how...are you interested in this 'quick turn-around' project?

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PS Johanna is going to discuss the need for you guys to do an air briefing soon...last I heard, Kate wants to inform State of our position end of June.

Tricia Rios Pfeiffer, Engineer
U.S. Environmental Protection Agency-Region8
Watershed & Aquifer Protection Unit
1595 Wynkoop Street
MC: EP-EPR
Denver, Colorado 80202

P: 303-312-6271
P: 866-457-2690 ext 312-6271
F: 303-312-7206

-----Alexandra Hall/R8/USEPA/US@EPA wrote: -----

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To: Tricia Pfeiffer/R8/USEPA/US@EPA
From: Alexandra Hall/R8/USEPA/US@EPA
Date: 06/12/2012 01:40PM
Subject: The Rotary Rig and Its Components Picture
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Attached is the poster in jpeg format. I don't have access to the color printer. The black and white printer I should have access to is not working and I know you wanted them in color. The website for the image: <http://www.utexas.edu/ce/petex/posters/rotary-rig-components/>

Alexandra Hall
Intern, Watershed and Aquifer Protection Unit
(303)312-6004
EPA Region 8
1595 Wynkoop Street
Denver, Colorado, 80202
hall.alexandra@epa.gov

[attachment(s) rig_poster2.jpg removed by Tricia Pfeiffer/R8/USEPA/US]